

Application Note

AN #: 146

DATE: 28-Aug-95

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PYRAMID MODEL #: SVR-200

RADIO MODEL: Motorola Syntor

ENGINEER: W. Carlin

APPROVAL INITIALS

ENGINEER

DEPT. HEAD

Connections:	SVR-200	Function	Radio
	Black/Shield	Ground	Cable Assembly Pin 10
	White	Tx Audio Out	Cable Assembly Pin 27
	Blue	Remote enable/disable	Cable Assembly Pin 34
	Green	PTT Out	Cable Assembly Pin 4
	Red	Switched B+	Cable Assembly Pin 15
	Yellow	Rx Audio In	Cable Assembly Pin 2
	Violet	COR	Cable Assembly Pin 6
	Brown	Local Mic In	N/C
	Grey	On Air Detect	N/C

SVR-200	JP1	[-]	Remote Enable	SVR-200	Mobile COR Polarity:	Low
Jumpers:	J1	[Out]	Tx audio level	Program:	Mobile Type:	Conv.
	J2	[Out]	Tx audio impedance		On-Air Polarity:	Low
	J4	[In]	Local mic audio loop		Tx Audio Response:	de-emp
	J5	[In]	Local mic PTT loop		Rx Audio Response:	flat

Additional Modifications (SVR-200): None

Additional Modifications (Radio):

1. In the TX/RX unit on the personality board, remove jumper JU9 and add a wire jumper from the side of JU9 connected to R8 to U2 pin 15 (audio unmute). This will be the COR signal for the SVR-200.
2. To facilitate installation of the SVR-200, and interface cable can be made up similar to the one used for the PAC/RT® installations, that goes between the radio and the control cable at the TX/RX unit. A list of parts that can be ordered from Motorola is listed on page 2.

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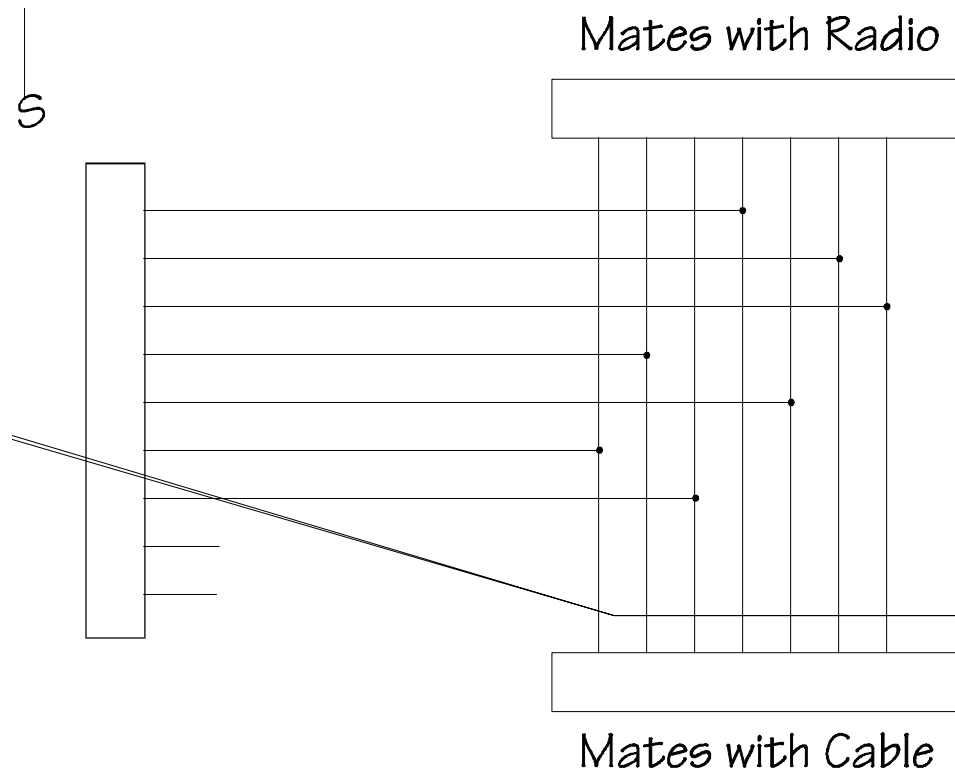
Revision Number

Date

Approval Initials

Qty	Motorola Part #	Description
1	15-80158K03	Housing
1	15-80159K03	Cover
1	07-80266L01	Strain relief clamp
1	32-80058H03	Gasket
1	32-80072J01	Gasket
1	32-80004L02	Gasket
1	36-80220B05	Extended Knob
4	03-10944B28	Cover Screw
2	39-80161K02	Power Contact
27	39-80162K02	Signal Contact

Make the connections to the SVR-200 cable as shown:



Notes:

1. Pins that pass through the connector with no connection to the SVR-200 are not shown. Total of 27 signal pins are used. Individual pins not used are 7, 18, 20, 21, 35, and 36. Power pins are A and B.
2. Ensure that the Red-Org wire (Pin 6) is not connected at the control head side of the cable.
3. The Red-Blue wire (pin 34) is usually not in use at the control head side of the cable and may be used to activate the SVR-200 remotely via a toggle switch.